

This document describes how to install and use the library of S-PLUS functions for analysis of probability survey data (psurvey.analysis).

Installing S-PLUS library psurvey.analysis

1. Obtain a copy of psurvey.analysis.S-PLUS.zip. This may be obtained from Aquatic Resource Monitoring web pages or via email request to the Monitoring Design & Analysis Team.
2. Place the file in the "Library" folder of S-PLUS, which is located at: "SHOME\Library". If you are uncertain of the location of "SHOME", execute the following S-PLUS command: "getenv('SHOME')".
3. Extract the zip file using a program such as "WinZip", which will create a folder named "psurvey.analysis".
4. Installation of the package only needs to be done once.

Using S-PLUS library psurvey.analysis

1. Each time S-PLUS is started in a session, you have to separately "load" the package in order to access the functions and their help files.
2. Load the library using the "File" menu (click on "File", click on "Load Library...", select "psurvey.analysis" from the list of available libraries, and click on "OK") or execute the following S-PLUS command: "library(psurvey.analysis)".
3. Help for using the library is then available both through the help command, i.e., enter "help(function name)" at the command line, and through the "Help" menu (click on "Help", point to "Available Help", and click on "psurvey.analysis").

Source: <http://www.epa.gov/nheerl/arm/techinfoanalysis.htm>
Population Estimation Algorithms, posted 10/2002